

CLAIMS

1 1. A hoist for transfer of cargo containers to and from vehicles
2 comprising in combination with a cargo container and a truck having a bed for
3 supporting said containers to travel thereon, the hoist having:
4 a loadspreader having vertical engaging hooking means for securing said
5 cargo container thereto;
6 means for supporting said loadspreader for said truck to drive said
7 container parallel under said loadspreader;
8 a plurality of links of equal pivot length, connecting said loadspreader to
9 said support means to form a parallelogram linkage to swing said loadspreader
10 substantially horizontally up and down;
11 cable and winch means for latching said loadspreader up and for releasing
12 said loadspreader when the weight is lifted off of said winch;
13 biasing means to reel up slack cable to hold the load lifted after being
14 lifted;
15 a tab on the front of said bed to engage the forward end of said container
16 when aligned with said bed to swing up said links to lift said container;
17 vertically engaged hooking means for connecting said container to said
18 loadspreader when aligned therewith for swinging said loadspreader up to lift and
19 hold said container to clear said truck bed so the truck can leave the container on
20 the loadspreader held lifted by said winch; and

21 means for releasing said hook means when the weight of said container is
22 relieved therefrom as when the truck is pushing the loadspreader with the
23 container.

1 2. A hoist as in claim 1, said loadspreader having depending legs
2 integral therewith to extend down to pivot to swing the loadspreader on said links
3 to conserve head room.